

Selenium Limit Violations  
3rd Q 2018-3rd Q 2019  
Reported by Bluestone

	Date	Outlet	Limit	Type	Reported	Units	Category	Penalty	Explanation
1	7/31/2018	005	4.7	Avg	7.4600	µg/L	1	\$3,000	High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options
2	7/31/2018	006	4.7	Avg	7.1767	µg/L	1	\$3,000	
3	7/31/2018	007	4.7	Avg	8.7240	µg/L	1	\$3,000	
4	7/31/2018	008	4.7	Avg	7.5900	µg/L	1	\$3,000	
5	8/31/2018	005	4.7	Avg	6.4200	µg/L	2	\$4,500	
6	8/31/2018	006	4.7	Avg	5.6225	µg/L	2	\$4,500	
7	8/31/2018	007	4.7	Avg	10.1300	µg/L	2	\$4,500	
8	8/31/2018	008	4.7	Avg	9.8575	µg/L	2	\$4,500	
9	9/30/2018	005	4.7	Avg	5.9600	µg/L	2	\$4,500	
10	9/30/2018	006	4.7	Avg	6.0500	µg/L	2	\$4,500	
11	9/30/2018	007	4.7	Avg	10.4460	µg/L	2	\$4,500	
12	9/30/2018	008	4.7	Avg	9.5600	µg/L	2	\$4,500	
13	10/31/2018	005	4.7	Avg	6.1300	µg/L	2	\$4,500	Not Yet In-Compliance
14	10/31/2018	006	4.7	Avg	5.7900	µg/L	2	\$4,500	
15	10/31/2018	007	4.7	Avg	8.8825	µg/L	2	\$4,500	
16	10/31/2018	008	4.7	Avg	9.4129	µg/L	2	\$4,500	
17	11/30/2018	005	4.7	Avg	6.2000	µg/L	2	\$4,500	
18	11/30/2018	006	4.7	Avg	6.2400	µg/L	2	\$4,500	
19	11/30/2018	007	4.7	Avg	10.2200	µg/L	2	\$4,500	
20	11/30/2018	008	4.7	Avg	8.6733	µg/L	2	\$4,500	
21	12/31/2018	005	4.7	Avg	5.6100	µg/L	2	\$4,500	
22	12/31/2018	006	4.7	Avg	5.4400	µg/L	2	\$4,500	
23	12/31/2018	007	4.7	Avg	9.7400	µg/L	2	\$4,500	
24	12/31/2018	008	4.7	Avg	8.0800	µg/L	2	\$4,500	
25	1/31/2019	005	4.7	Avg	6.6350	µg/L	2	\$4,500	Ineffective treatment, working with NALCO consultant to determine treatment options
26	1/31/2019	006	4.7	Avg	5.8700	µg/L	2	\$4,500	
27	1/31/2019	007	4.7	Avg	9.8880	µg/L	2	\$4,500	
28	1/31/2019	008	4.7	Avg	8.4600	µg/L	2	\$4,500	
29	2/28/2019	006	4.7	Avg	5.2500	µg/L	2	\$4,500	
30	2/28/2019	007	4.7	Avg	9.5700	µg/L	2	\$4,500	
31	2/28/2019	008	4.7	Avg	7.7200	µg/L	2	\$4,500	
32	3/31/2019	005	4.7	Avg	5.4300	µg/L	2	\$4,500	
33	3/31/2019	006	4.7	Avg	4.8000	µg/L	2	\$4,500	
34	3/31/2019	007	4.7	Avg	8.2400	µg/L	2	\$4,500	
35	3/31/2019	008	4.7	Avg	7.3800	µg/L	2	\$4,500	Conducting selenium fish tissue test, working to increase permit limits
36	4/30/2019	005	4.7	Avg	6.4500	µg/L	2	\$4,500	
37	4/30/2019	006	4.7	Avg	5.3000	µg/L	2	\$4,500	
38	4/30/2019	007	4.7	Avg	6.0500	µg/L	2	\$4,500	
39	5/31/2019	005	4.7	Avg	5.6300	µg/L	2	\$4,500	
40	5/31/2019	007	4.7	Avg	7.3500	µg/L	2	\$4,500	
41	6/30/2019	007	4.7	Avg	8.0300	µg/L	2	\$4,500	
42	6/30/2019	008	4.7	Avg	6.7000	µg/L	1	\$3,000	

Selenium Limit Violations  
3rd Q 2018-3rd Q 2019  
Reported by Bluestone

43	7/2/2018	005	8.2	Max	8.3000	µg/L	na		High sediment in pond causing higher Se result in discharge, also ineffective treatment. Working with NALCO consultant to determine treatment options
44	7/2/2018	006	8.2	Max	8.8700	µg/L	na		
45	7/2/2018	007	8.2	Max	13.9200	µg/L	na		
46	7/9/2018	007	8.2	Max	11.7300	µg/L	1	\$2,500	
47	7/12/2019	007	8.2	Max	11.6300	µg/L	2	\$3,500	
48	7/2/2018	008	8.2	Max	14.0200	µg/L	na		
49	7/12/2018	008	8.2	Max	12.2200	µg/L	na		
50	8/13/2018	007	8.2	Max	14.2300	µg/L	2	\$3,500	
51	8/1/2018	007	8.2	Max	10.1600	µg/L	na		
52	8/16/2018	007	8.2	Max	10.9000	µg/L	2	\$3,500	
53	8/1/2018	008	8.2	Max	12.4100	µg/L	na		
54	8/13/2018	008	8.2	Max	11.5400	µg/L	2	\$3,500	
55	8/16/2018	008	8.2	Max	9.6400	µg/L	2	\$3,500	
56	9/18/2018	007	8.2	Max	13.0600	µg/L	1	\$2,500	
57	9/4/2018	007	8.2	Max	11.7500	µg/L	na		
58	9/14/2018	007	8.2	Max	12.5200	µg/L	na		
59	9/20/2018	007	8.2	Max	8.4400	µg/L	2	\$3,500	
60	9/4/2018	008	8.2	Max	11.9300	µg/L	na		
61	9/14/2018	008	8.2	Max	11.3300	µg/L	na		
62	9/18/2018	008	8.2	Max	10.4600	µg/L	1	\$2,500	
63	10/1/2018	007	8.2	Max	12.7800	µg/L	2	\$3,500	No explanation
64	10/3/2018	007	8.2	Max	10.6800	µg/L	2	\$3,500	
65	10/9/2018	007	8.2	Max	10.7100	µg/L	na		
66	10/12/2018	007	8.2	Max	9.1800	µg/L	1	\$2,500	
67	10/13/2018	007	8.2	Max	9.0400	µg/L	2	\$3,500	
68	10/16/2018	007	8.2	Max	8.5500	µg/L	2	\$3,500	
69	10/1/2018	008	8.2	Max	10.8400	µg/L	na		
70	10/3/2018	008	8.2	Max	9.0900	µg/L	1	\$2,500	
71	10/12/2018	008	8.2	Max	12.0200	µg/L	na		
72	10/16/2018	008	8.2	Max	11.6900	µg/L	1	\$2,500	
73	10/18/2018	008	8.2	Max	11.8300	µg/L	2	\$3,500	
74	11/1/2018	007	8.2	Max	14.0500	µg/L	na		
75	11/12/2018	007	8.2	Max	10.8700	µg/L	na		
76	11/1/2018	008	8.2	Max	11.7200	µg/L	2	\$3,500	
77	11/12/2018	008	8.2	Max	10.5100	µg/L	na		
78	12/13/2018	007	8.2	Max	12.4500	µg/L	2	\$3,500	
79	12/3/2018	007	8.2	Max	11.2100	µg/L	2	\$3,500	
80	12/13/2018	008	8.2	Max	9.7700	µg/L	2	\$3,500	
81	12/3/2018	008	8.2	Max	9.2800	µg/L	2	\$3,500	
82	1/2/2019	007	8.2	Max	13.0000	µg/L	na		
83	1/5/2019	007	8.2	Max	8.7400	µg/L	1	\$2,500	
84	1/14/2019	007	8.2	Max	12.1700	µg/L	na		
85	1/2/2019	008	8.2	Max	10.6700	µg/L	na		

Selenium Limit Violations  
3rd Q 2018-3rd Q 2019  
Reported by Bluestone

86	1/14/2019	008	8.2	Max	9.8500	µg/L	na		Ineffective treatment, working with NALCO consultant to determine treatment options
87	2/1/2019	007	8.2	Max	13.0600	µg/L	na		
88	2/5/2019	007	8.2	Max	9.1600	µg/L	1	\$2,500	
89	2/11/2019	007	8.2	Max	10.9200	µg/L	2	\$3,500	
90	2/25/2019	007	8.2	Max	9.6000	µg/L	na		
91	2/9/2019	007	8.2	Max	9.1000	µg/L	2	\$3,500	
92	2/10/2019	008	8.2	Max	10.0000	µg/L	na		
93	2/1/2019	008	8.2	Max	8.2500	µg/L	na		
94	3/22/2019	007	8.2	Max	12.5000	µg/L	na		
95	3/26/2019	007	8.2	Max	9.0000	µg/L	1	\$2,500	
96	3/30/2019	007	8.2	Max	9.8000	µg/L	2	\$3,500	
97	3/11/2019	007	8.2	Max	9.6000	µg/L	1	\$2,500	
98	3/22/2019	008	8.2	Max	10.5000	µg/L	na		Conducting selenium fish tissue test, working to increase permit limits
99	4/19/2019	007	8.2	Max	9.1000	µg/L	na		
100	5/19/2019	007	8.2	Max	8.7000	µg/L	na		
101	6/19/2019	007	8.2	Max	9.8000	µg/L	na		
102	6/19/2019	007	8.2	Max	9.3000	µg/L	2	\$3,500	
103	6/19/2019	008	8.2	Max	8.9000	µg/L	na		No explanation
104	7/10/2019	007	8.2	Max	9.0000	µg/L	1	\$2,500	
105	8/6/2019	007	8.2	Max	9.6000	µg/L	1	\$2,500	
106	8/17/2019	007	8.2	Max	9.9000	µg/L	1	\$2,500	
107	9/16/2019	008	8.2	Max	9.1000	µg/L	1	\$2,500	

**Total  
penalties** \$286,500

**Violations  
with no  
penalties** 31

na=not applicable

Penalty Summary				
Type	Number	Days of Violations	Max Penalty Per Day	Max Penalty
Average	42	$(26 \times 31) + (3 \times 28) + (13 \times 30) = 1280$	\$54,833	\$70,186,240
Maximum	65	65	\$54,833	\$3,070,648
			<b>Total</b>	\$73,256,888